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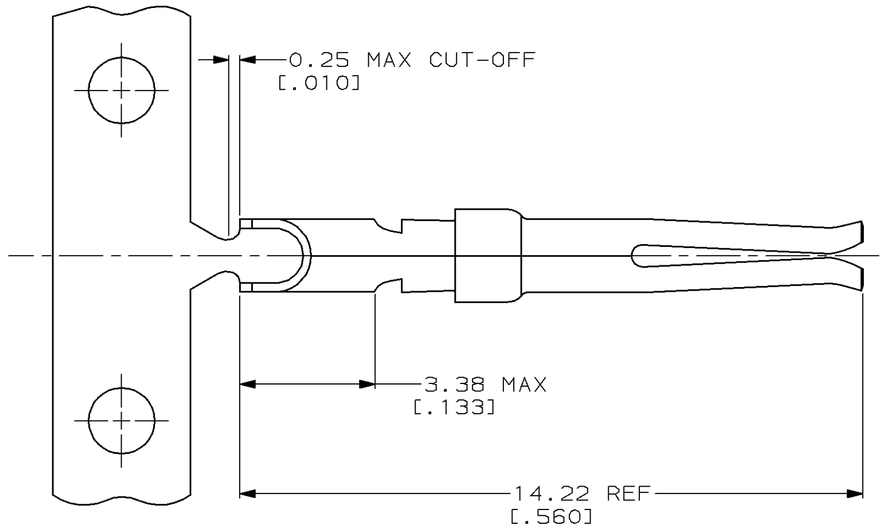
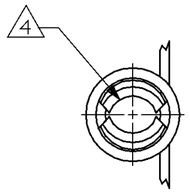
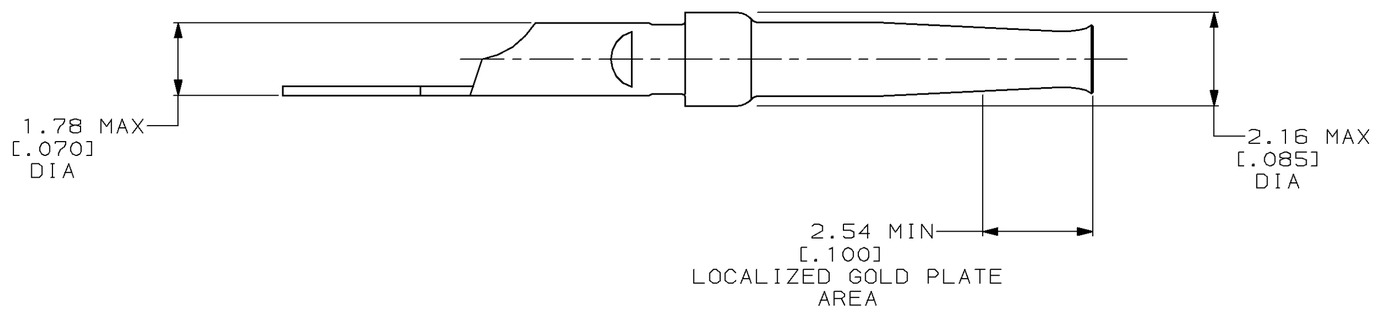
LOC	DIST
BD	48

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	F	REDRAWN AND REVISED PER EC 0020-995-95	08 NOV 95	–	–







1. PHOSPHOR BRONZE PER QQ-B-750.
2. 0.76µm [.000030] MIN GOLD IN LOCALIZED GOLD PLATE AREA, GOLD FLASH ON REMAINDER, BOTH OVER 1.27µm [.000050] MIN NICKEL.
3. GOLD PLATING PER MIL-G-45204, NICKEL PLATING PER QQ-N-290.
4. WILL ACCEPT 1.02 [.040] DIA PIN.
5. 1.17 [.046] MAX DIA CONDUCTOR (UP TO 18 AWG).

PACKAGING	TYPE	PART NUMBER
SMALL PACK	LOOSE PIECE	1-66569-0
STANDARD	LOOSE PIECE	66569-3
–	STRIP	66569-2

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±-
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL 1
FINISH 2 3

DWN D.HARDY 08 NOV 95
CHK R.STONE 14 NOV 95
APVD C.STINSON 06 DEC 95
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –
CUSTOMER DRAWING

AMP Incorporated
Harrisburg, PA 17105-3608

NAME SOCKET CONTACT, SIZE 20 DF, WITH SOLDER CUP, AMPLIMITE™

SIZE	CAGE CODE	DRAWING NO
A2	00779	C-66569

SCALE	SHEET	REV
10:1	1 OF 1	F

66569

08-NOV-95 11:04:09 amp35397 /home/ssrv026d/dsk01/dept4023/amp35397/edmmod

REDUCED FOR PACKAGING

AMP INCORPORATED
HARRISBURG, PA. 17105

AMPLIMITE* SOLDER POT CONTACTS (66569-3 and 66570-3)

Instruction Sheet
IS 7799
RELEASED 4-29-76

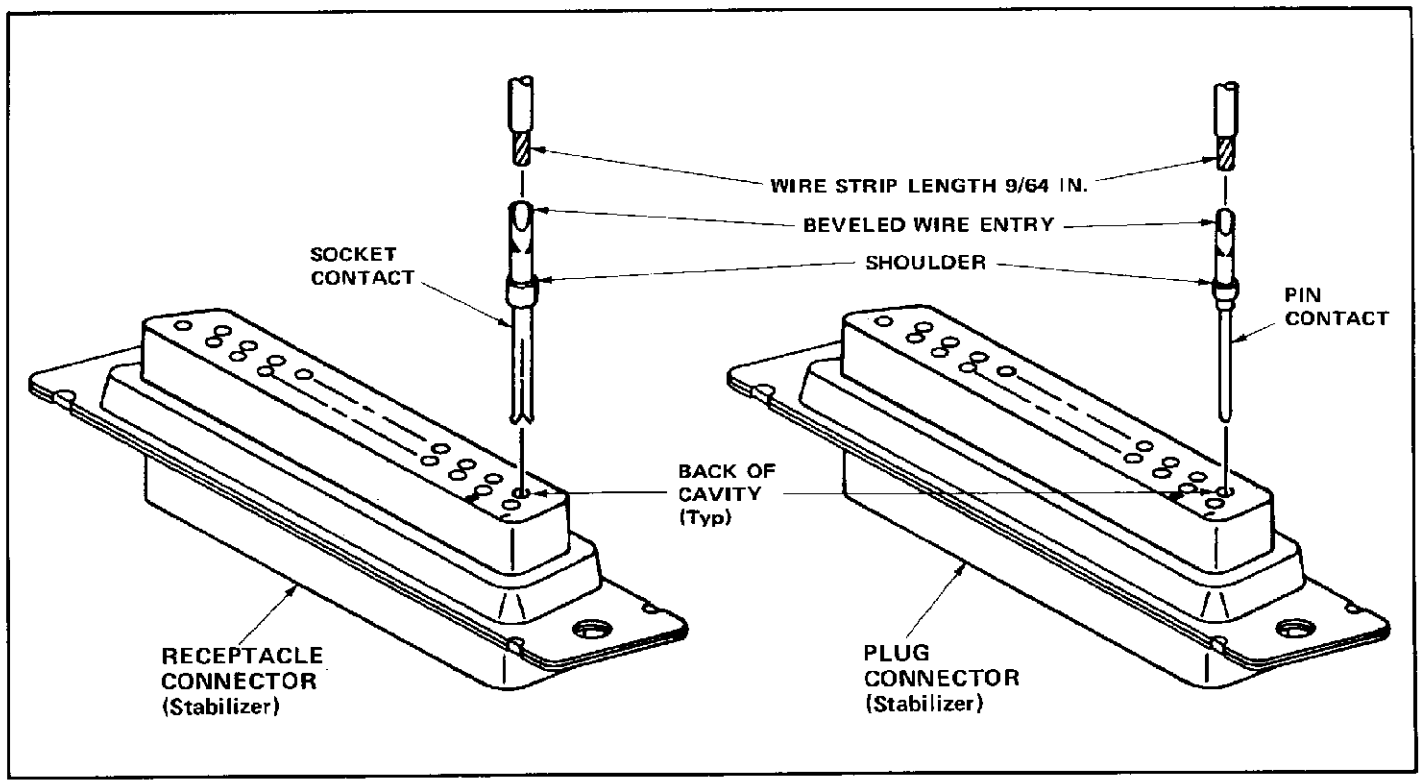

FIGURE 1

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1. INTRODUCTION

This instruction sheet (IS) covers the AMPLIMITE pin and socket solder pot contacts shown in Figure 1. Read this material thoroughly before starting.

2. DESCRIPTION

These contacts can be used in any of the AMPLIMITE housings that accept crimp type contacts. The wire barrel of the contacts will receive various wire sizes with a maximum range of 18 AWG.

The wire barrel has a beveled wire entry which insures an even flow of solder.

3. SOLDERING WIRE IN CONTACT

The contact must be stabilized during soldering. This can be done with the connector itself, or with a suitable, non-metallic soldering support. When the connector is used, the contact shoulder should be inserted into the back of the contact cavity (wire side of connector) just enough to stabilize the contact.

NOTE

Do NOT over insert the contact in the connector, otherwise, you may NOT be able to solder the contact — or you may damage the connector.

1. Place the contact in a stabilizer as shown in Figure 1.
2. Strip 9/64 in. of insulation from the conductor as indicated in Figure 1.
3. Insert the wire into the wire barrel of the contact until bottomed.
4. Solder the wire in the contact.

4. CONTACT INSERTION AND EXTRACTION

Contacts with wires that are stiff enough to withstand insertion force can be inserted without the use of a tool. A tool will be required for contacts with fragile wires, and to remove contacts from the connector. Use the AMP Insertion/Extraction Tool 91067-1 and the AMP Instruction Sheet IS 7508 which is packaged with the tool.

General procedure:

1. Insert a contact by aligning it with the back of the contact cavity and inserting it straight in until bottomed. Pull back lightly to be sure it is locked in the cavity.
2. Extract a contact by inserting the extraction tool tip into the back of the contact cavity until it is bottomed. Grip wire and tool, and pull the contact straight out of connector.

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